

**Advanced Separation Methods KA 7006 HT-2017**

**2017-08-09**

| Day         | Date                         | Time        | Activity   | Lecturer    | Room                                  |    |      |
|-------------|------------------------------|-------------|--|-------------|---------------------------------------|----|------|
| Mon         | 28/8                         | 12:00-14:00 | Roll Call, Registration & Information<br>Introduction to Advanced Separation Methods<br>The Lab Framework & Introduction to Project Work<br>Lab Notebook & Lab Safety<br>ASM on the Mondo Platform | CÖ          | B237                                  |    |      |
|             |                              | 14:00-15:00 | Department tour & Lab safety   | FI/HE       | B237                                  |    |      |
|             |                              | Tue         | 29/8   | 09:00-9:30  | Introduction to Clickers              | CÖ | B237 |
|             |                              |             |  | 09:30-10:30 | <b>Diagnostics I - Clicker Test</b>   | CÖ | B237 |
|             |                              |             |  | 10:30-11:30 | Project start - Organizing lab groups | CÖ | B237 |
| 12:30-15:00 | Sample extraction & Clean-up |             |  | CÖ          | B237                                  |    |      |
| Wed         | 30/8                         | 09:00-11:30 | Air Sampling: Particle phase   | CÖ          | B237                                  |    |      |
|             |                              | 12:30-17:00 | <i>Project Work</i>  | FI/HE       | -                                     |    |      |
| Thu         | 31/8                         | 09:00-11:30 | Air Sampling: Gas phase  | CÖ          | B237                                  |    |      |
|             |                              | 11:30-12:00 | Photo session  | CÖ          | B237                                  |    |      |
|             |                              | 12:00-17:00 | <i>Project Work</i>  | FI/HE       | -                                     |    |      |
| Fri         | 1/9                          | 9:00-17:00  | <i>Project Work</i>  | FI/HE       | -                                     |    |      |
| Mon         | 4/9                          | 09:00-11:30 | Basic Chromatography   | CÖ          | B237                                  |    |      |
|             |                              | 12:30-17:00 | <i>Project Work</i>  | FI/HE       | -                                     |    |      |
| Tue         | 5/9                          | 09:00-11:30 | Chromatographic Theory   | CÖ          | B237                                  |    |      |
|             |                              | 12:30-17:00 | <i>Project Work</i>  | FI/HE       | -                                     |    |      |
| Wed         | 6/9                          | 09:00-12:00 | Qualitative & Quantitative Chromatographic Analysis  | CÖ          | B237                                  |    |      |
|             |                              | 12:00-17:00 | <i>Project Work</i>  | FI/HE       | -                                     |    |      |
| Thu         | 7/9                          | 09:00-11:30 | Gas Chromatography: Injection & Detection  | CÖ          | B237                                  |    |      |
|             |                              | 12:30-17:00 | <i>Project Work</i>  | FI/HE       | -                                     |    |      |
| Fri         | 8/9                          | 09:00-11:30 | Gas Chromatography: Columns & Separation   | CÖ          | B237                                  |    |      |
|             |                              | 12:30-14:30 | <b>Workshop 1 - Quantification Calculations Part 1</b>   | CÖ          | B237                                  |    |      |
|             |                              | 14:30-17:00 | <i>Project Work</i>  | FI/HE       | -                                     |    |      |
| Mon         | 11/9                         | 09:00-11:30 | LC: Principles, The Column, NP & RP-LC   | CÖ          | B237                                  |    |      |
|             |                              | 12:30-17:00 | <b>Workshop 2 - GC computer simulation</b>   | CÖ          | B237                                  |    |      |
| Tue         | 12/9                         | 09:00-11:30 | Liquid Chromatographic Methods   | CÖ          | B237                                  |    |      |
|             |                              | 12:30-17:00 | <i>Project Work</i>  | FI/HE       | -                                     |    |      |
| Wed         | 13/9                         | 09:00-11:30 | Method Development in Chromatography   | CÖ          | B237                                  |    |      |
|             |                              | 12:30-17:00 | <b>Workshop 3 - Quantification Calculations Part 2</b>   | CÖ          | B237                                  |    |      |
| Thu         | 14/9                         | 09:00-11:30 | Multidimensional & Preparative Chromatography  | CÖ          | B237                                  |    |      |
|             |                              | 12:30-17:00 | <i>Project Work</i>  | FI/HE       | -                                     |    |      |
| Fri         | 15/9                         | 09:00-17:00 | <b>LITERATURE PROJECT</b>  | FI/HE       | -                                     |    |      |
| Mon         | 18/9                         | 09:00-17:00 | <i>Peer review of reports</i>  | FI/HE       | -                                     |    |      |
| Tue         | 19/9                         | 09:00-17:00 | <i>Correcting &amp; handing in reports</i>   | FI/HE       | -                                     |    |      |
|             |                              | 24:00       | <i>Deadline - Report LITERATURE PROJECT</i>  | -           | -                                     |    |      |
| Wed         | 20/9                         | 09:00-12:00 | <b>Seminars - Litterature project</b>  | CÖ/FI/HE    | B237                                  |    |      |
|             |                              | 12:00-17:00 | <i>Project Work</i>  | FI/HE       | -                                     |    |      |
| Thu         | 21/9                         | 09:00-12:00 | GC/MS - Ionization Techniques  | UN          | B237                                  |    |      |
|             |                              | 13:00-17:00 | <b>Workshop 4 - GC/MS Fragmentation</b>  | UN          | -                                     |    |      |
| Fri         | 22/9                         | 09:00-12:00 | GC/MS - The Instrument: Analyzers & Detection  | RW          | -                                     |    |      |
|             |                              | 13:00-17:00 | <b>Workshop 5 - GC/MS data analysis</b>  | CÖ          | -                                     |    |      |
| Mon         | 25/9                         | 9:00-9:30   | <b>Lab Safety - Clicker Test</b>   | CÖ          | B237                                  |    |      |
|             |                              | 9:30-17:00  | <i>Project Work</i>  | FI/HE       | B237                                  |    |      |
|             |                              | 24:00       | <i>Deadline - Project plans EXPERIMENTAL PROJECT #1 &amp; #2</i>   | -           | -                                     |    |      |
| Tue         | 26/9                         | 9:00-17:00  | <i>Project Work</i>  | FI/HE       | B237                                  |    |      |
| Wed         | 27/9                         | 09:00-17:00 | <b>EXPERIMENTAL PROJECT #1</b>   | FI/HE       | -                                     |    |      |
| Thu         | 28/9                         | 09:00-17:00 |  | FI/HE       | Lab                                   |    |      |
| Fri         | 29/9                         | 09:00-17:00 |  | FI/HE       | Lab                                   |    |      |

| Day | Date  | Time         | Activity  | Lecturer  | Room  |     |
|-----|-------|--------------|---|---|-------|-----|
| Mon | 2/10  | 09:00-17:00  | <b>Lab Cleaning</b>   | FI/HE   | Lab   |     |
| Tue | 3/10  | 09:00-17:00  |   | FI/HE   | Lab   |     |
| Wed | 4/10  | 09:00-17:00  |   | FI/HE   | Lab   |     |
| Thu | 5/10  | 09:00-17:00  |   | <i>Project Work / Preparing Reports &amp; Presentations</i> |       |     |
| Fri | 6/10  | 09:00-17:00  |   | <i>Project Work / Preparing Reports &amp; Presentations</i> |       |     |
|     |       | <b>24:00</b> | <b>Deadline - Reports EXPERIMENTAL PROJECT #1</b>                 |   |       |     |
| Mon | 9/10  | 9:00-12:00   | <b>Seminars - Reporting Experimental Project #1</b>               | FI/HE/CÖ  | B237  |     |
|     |       |              | Experimental Project #1 evaluation (Clickers + Comments)          | CÖ  |       |     |
|     |       | 12:00-17:00  | <i>Project management / Preparing Reports &amp; Presentations</i> | -   | B237  |     |
| Tue | 10/10 | 09:00-17:00  | <b>EXPERIMENTAL PROJECT #2</b>                                    | FI/HE   | B234  |     |
| Wed | 11/10 | 09:00-17:00  |   | FI/HE   | B237  |     |
| Thu | 12/10 | 09:00-17:00  |   | FI/HE   | Lab   |     |
| Fri | 13/10 | 09:00-17:00  |   | FI/HE   | Lab   |     |
| Mon | 16/10 | 09:00-17:00  |   | <b>Lab Cleaning</b>   | FI/HE | Lab |
| Tue | 17/10 | 09:00-17:00  | FI/HE   |   | Lab   |     |
| Wed | 18/10 | 09:00-17:00  | <i>Preparing Reports &amp; Presentations</i>                      |   | -     | Lab |
| Thu | 19/10 | 09:00-17:00  | <i>Preparing Reports &amp; Presentations</i>                      |   | -     |     |
| Fri | 20/10 | 09:00-17:00  | <i>Preparing Reports &amp; Presentations</i>                      |   |       |     |
|     |       | <b>24:00</b> | <b>Deadline - Reports EXPERIMENTAL PROJECT #2</b>                 |   |       |     |
| Mon | 23/10 | 09:00-12:00  | <b>Seminars - Reporting Experimental Project #2</b>               | FI/HE/CÖ  |       |     |
|     |       |              | Experimental Project #2 evaluation (Clickers + Comments)          | CÖ  |       |     |
|     |       |              | <b>Diagnostics II - Clicker Test</b>                              | CÖ  |       |     |
| Tue | 24/10 | -            | <i>Preparation for examination</i>                                | -   |       |     |
| Wed | 25/10 | -            | <i>Preparation for examination</i>                                | -   |       |     |
| Thu | 26/10 | 9:00-14:30   | <b>Examination</b>  | -   | B237  |     |
| Fri | 27/10 | 09:00-11:00  | Going through the Examination                                     | CÖ  | B237  |     |
|     |       | 11:00        | Course Finish   | FI/HE/CÖ  | B237  |     |

**Observe! This schedule may be subject to changes!**

= Laboratory Project Work (Mandatory)

= Workshop (Mandatory)

= Seminars (Mandatory)

CÖ = Conny Östman  
 FI = Francesco Iadaresta  
 HE = Hatem Elmongy  
 RW = Roger Westerholm  
 UN = Ulrika Nilsson